

# CD71/Transferrin Receptor Rabbit mAb

Catalog No.: A22161 **Recombinant** **4 Publications**

## Basic Information

### Observed MW

90kDa

### Calculated MW

85kDa

### Category

Primary antibody

### Applications

WB, IHC-P, IF/ICC, ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC54396

## Background

This gene encodes a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Multiple alternatively spliced variants have been identified.

## Recommended Dilutions

**WB** 1:80000 - 1:480000

**IHC-P** 1:200 - 1:2000

**IF/ICC** 1:100 - 1:400

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

7037

### Swiss Prot

P02786

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

T9; TR; TFR; p90; CD71; TFR1; TRFR; IMD46

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

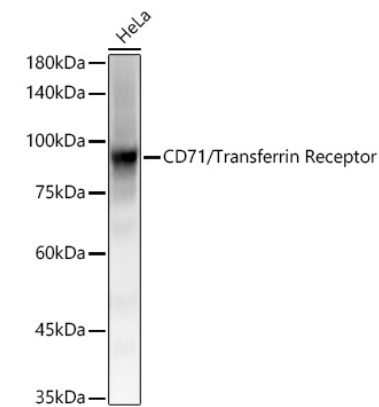
Affinity purification

### Storage

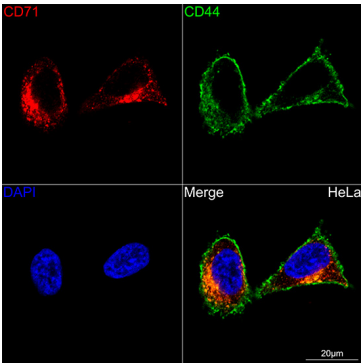
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

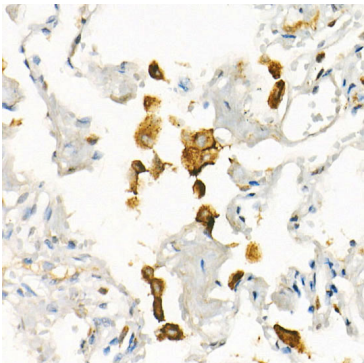
Validation Data



Western blot analysis of lysates from HeLa cells, using CD71/Transferrin Receptor Rabbit mAb (A22161) at 1:80000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 5s.



Confocal imaging of HeLa cells using CD71/Transferrin Receptor Rabbit mAb (A22161, dilution 1:200) (Red). The cells were counterstained with CD44 Rabbit mAb (A21919, dilution 1:200) (Green). DAPI was used for nuclear staining (blue). Objective: 60x.



Immunohistochemistry analysis of paraffin-embedded Human lung using CD71/Transferrin Receptor Rabbit mAb (A22161) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.